

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087051 A2

- (51) International Patent Classification⁷: **A61K** [GB/GB]; 111 Milton Park, Abingdon Oxon OX14 4YD (GB).
- (21) International Application Number: PCT/US2004/009028
- (22) International Filing Date: 24 March 2004 (24.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/458,103 27 March 2003 (27.03.2003) US
- (71) Applicants (for all designated States except US): **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **EVOTEC OAI** [GB/GB]; 111 Milton Park, Abingdon Oxon OX14 4YD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FISHER, Michael, H.** [US/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **GARCIA, Maria, L.** [ES/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **KACZOROWSKI, Gregory, J.** [US/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **MEINKE, Peter, T.** [US/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **PARSONS, William, H.** [US/US]; 126 East Lincoln Avenue, Rahway, New Jersey 07065-0907 (US). **BOYD, Edward Andrew** [GB/GB]; 111 Milton Park, Abingdon Oxon OX14 4YD (GB). **PRICE, Stephen** [GB/GB]; 111 Milton Park, Abingdon Oxon OX14 4YD (GB). **STIBBARD, John**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPTHALMIC COMPOSITIONS FOR TREATING OCULAR HYPERTENSION

(57) **Abstract:** This invention relates to the use of potent potassium channel blockers or a formulation thereof in the treatment of glaucoma and other conditions which leads to elevated intraocular pressure in the eye of a patient. This invention also relates to the use of such compounds to provide a neuroprotective effect to the eye of mammalian species, particularly humans.



WO 2004/087051 A2